ABSTRACT OF THE DISCLOSURE

The present invention replaces the multiple controller systems by incorporating the controller of sensory devices with the part-forming machine controller (typically a personal computer), thereby producing a synergistic combination. More specifically, sensory devices such as, for exemplary purposes only, cameras, infrared sensors, ultrasonic sensors, or other sensing devices are connected directly to one or more preexisting serial, parallel or USB ports or other bus interfaces of the machine controller. By programming the machine controller or loading software therein, the machine controller can receive the input signal(s)/data from the sensory device, analyze the data, provide an output signal to the sensory device and communicate directly and contemporaneously with the machine controller software.